

CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 11/13/01

AGENDA ITEM 6

WORK SESSION ITEM _____

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Authorization for Execution of an Agreement for Professional Design Services for the Construction of Hesperian Booster Pump Station

RECOMMENDATION:

It is recommended that the City Council approve the attached resolution, which authorizes the City Manager to execute an agreement with Carollo Engineers in an amount not to exceed \$700,000, for the professional design services to prepare plans, specification and construction cost estimates for the Hesperian Booster Pump Station.

BACKGROUND:

The City currently has two water transmission systems that receive water from its main water supply source, the Hetch-Hetchy Aqueduct: the 24-inch Mission Boulevard Aqueduct and 42-inch Hesperian Boulevard Aqueduct. The City recently completed renovations to the Decoto Booster Pump Station, which increases the water flow in the 24-inch Mission Boulevard Aqueduct. The Decoto Pump Station improvements will allow the water system to meet customer demand for the present time. However, based on the analysis performed as a part of the City's Water Distribution System Master Plan, the available water pressure in the aqueducts is insufficient to supply the water for future demand and for future emergency use. Therefore, a second pump station, the Hesperian Booster Pump Station, is needed to meet these needs.

The new Hesperian Pump Station will be located on City-owned property at Hesperian and Industrial Boulevards. The project will demolish the existing obsolete structures and construct a new pump station with associated piping and pump equipment. This project will also include building a new 3,600-sq ft structure for the storage of piping and equipment, and constructing a new block wall and landscaping strip surrounding the existing City-owned property. This work will complement the future development on the southwesterly corner of the intersection. The new Hesperian Booster Pump Station will provide about 30,000 gallons per minute to the water system to meet year 2020 maximum day demand and will enhance capacity to maintain system pressure for fire fighting and disasters.

In order to expedite the design process and to save sub-consulting costs for this project, consulting professional services will be provided in two parts. One consultant will be responsible for design of the new Hesperian Booster Pump Station, and associated piping and pumping equipment. Another will be responsible for the environmental assessment and geotechnical study for the site. The consultant selection for the design service has been completed and the consultant selection for the environmental assessment is in progress at this time.

Consultant Selection:

Upon review of the qualifications of ten consultants, four firms were requested to submit proposals for the required design services. All four consultants submitted proposals for the City's consideration. Carollo Engineers was selected as the most qualified firm. The selection was based on a review of: 1) the relevant experience of each firm; 2) the experience and qualifications of the project manager and design team of each firm; 3) the method of work proposed by each firm; and 4) the resources, project controls, and quality assurance of each firm.

The fees and hours of Carollo Engineers were competitive with other consultants. Based on an analysis of the number of hours and scope of services proposed by other consultants, staff has concluded that the final negotiated not-to-exceed cost of \$700,000 is reasonable for the scope of services required. Carollo's project team includes a number of subconsultants who are qualified DBE/WBE. The total proposed project participation of DBE/WBE firms is about ten per cent.

Project Cost:

Design for Pump Station (This Action)	\$ 700,000
Consultant for Environment Assessment	\$ 70,000
Consultant for Completed Pre-design Study	\$ 30,000
Construction Cost	\$ 7,000,000
Inspection & Administration	\$ 100,000
Total:	\$ 7,900,000

Funding:

A total of \$831,000 has been appropriated through the 2001-2002 Capital Improvement Program in the Water Capital Improvement Fund for the Hesperian Booster Pump Station Project. Monies for construction are programmed in the 2002-2003 Capital Improvement Program.

Schedule:

The following tentative project schedule has been developed for these projects:

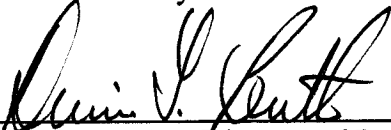
Begin Design and Survey	December 2001
Design Completion	July 2002
Award Construction Contract	October 2002
Begin Construction	November 2002
Construction Completion	October 2003

Prepared by:



Alex Ameri, Deputy Director of Public Works

Recommended by:



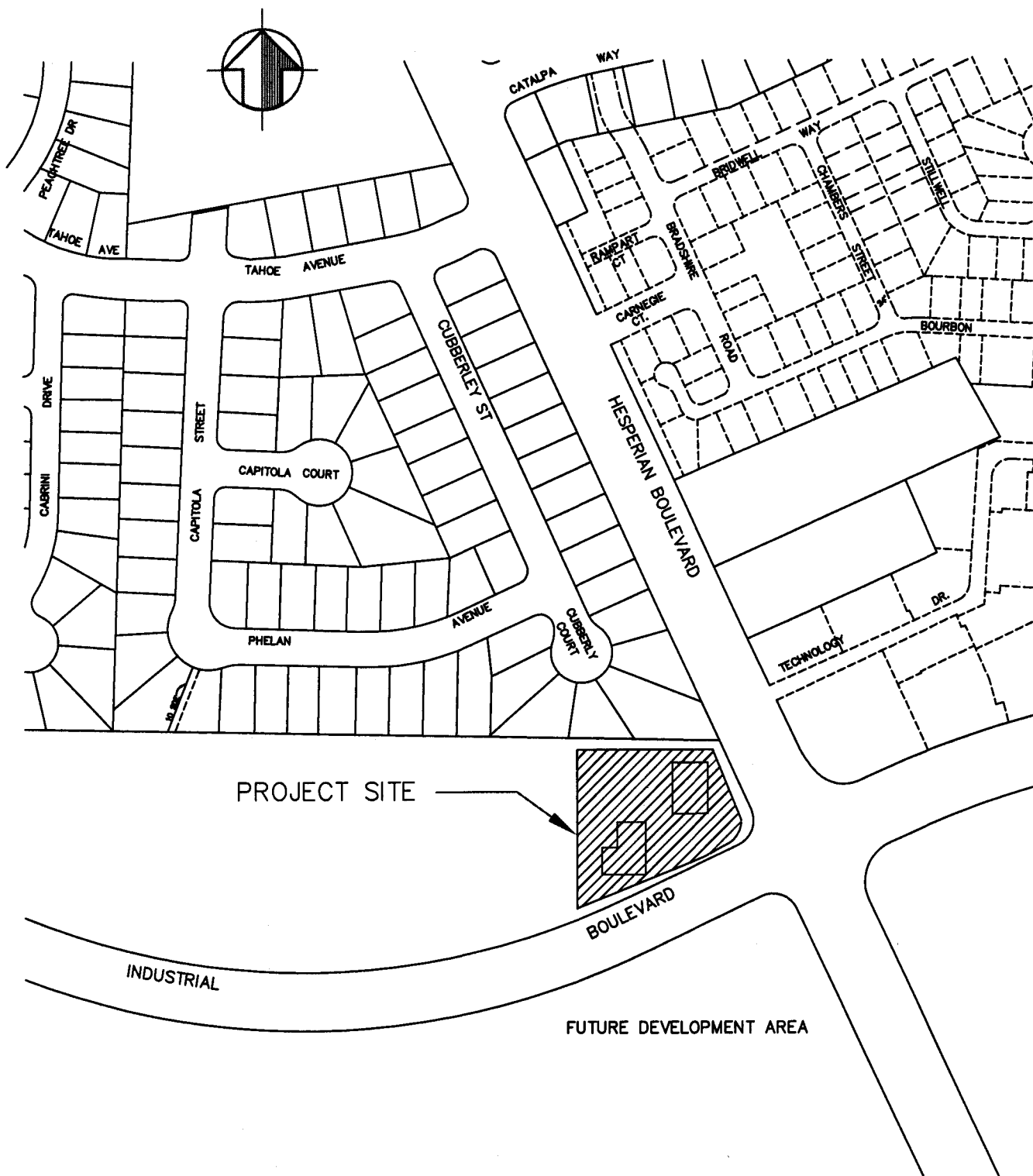
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

Attachment: Exhibit A - Project Location Map



PROJECT LOCATION MAP

HESPERIAN BOOSTER PUMP STATION PROJECT

PROJECT NO. 622-7144

EXHIBIT "A"

DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

mnf

Introduced by Council Member _____

RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE AN AGREEMENT BETWEEN THE CITY
OF HAYWARD AND CAROLLO ENGINEERS FOR
PROFESSIONAL DESIGN SERVICES FOR THE
CONSTRUCTION OF THE HESPERIAN BOOSTER
PUMP STATION PROJECT, PROJECT NO. 7144

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward an agreement with Carollo Engineers for professional design services to prepare plans, specifications, and a construction cost estimate for construction of the Hesperian Booster Pump Station Project, Project No. 7144 in an amount not to exceed \$700,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2001

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____

City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward